EGGE DIVERSION DAM REMOVAL, FWP #16-15

Dam Removal and Site Reclamation on the Musselshell River

SET NO.

LOCATED IN SECTION 9, TOWNSHIP 6N, RANGE 23E IN GOLDEN VALLEY COUNTY, MONTANA LATITUDE = 46.285600, LONGITUDE = -108.843100 PROJECT SPONSOR: MONTANA DEPARTMENT OF FISH WILDLIFE AND PARKS

FEBRUARY 23, 2016





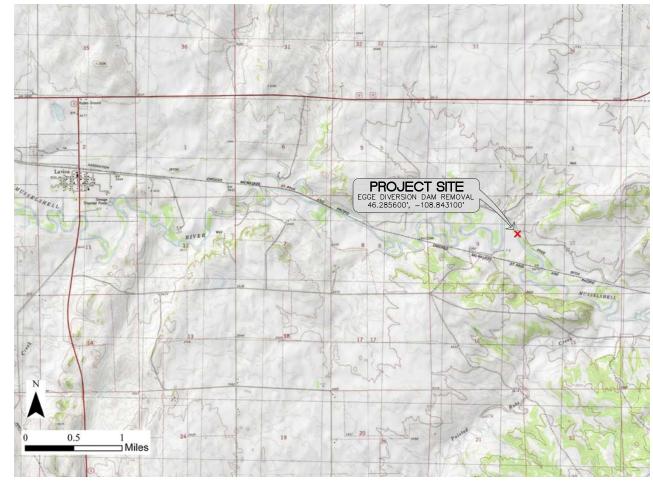


32 DISCOVERY DRIVE BOZEMAN, MT 59718 Civil Engineering Geotechnical Engineering PHONE (406) 582-0221 FAX (406) 582-5770 Land Surveying www.alliedengineering.com

PROJECT MANAGER: PAUL SANFORD, PE DESIGN ENGINEER: JENNIFER JOHNSON, EI

CONSTRUCTION PLANS





VICINITY MAP

CHEET INDEX

SHEET INDEX				
SHEET NO.	DESCRIPTION			
1	COVER			
2	SURVEY CONTROL AND EXISTING CONDITIONS			
3	PROJECT OVERVIEW			
4	DESIGN PLAN			
5	DETAILS			
6	DETAILS			
7	CROSS-SECTIONS			
8	CROSS-SECTIONS			
9	BEST MANAGEMENT PRACTICES PLAN			
10	CONTROL OF WATER OVERVIEW			

EGGE DIVERSION DAM REMOVAL 1 COVER SHEET

CONTROL TABLE						
Point #	Elevation	Northing	Easting	Description		
1	3380.60	742859.20	2134305.10	BASE		
2	3379.76	742966.72	2134411.36	AC CP2		
3	3379.11	742819.41	2134666.86	AC CP3		

		ALIGNMEN	T COORDINATE TA	ABLE
Line #	Length	Direction	Start Point	End Point
L19	189.49	N20" 05' 42.64"W	(2134686.28,742454.29)	(2134621.18,742632.24
L20	140.81	N24* 35' 24.41"W	(2134621.18,742632.24)	(2134562.59,742760.28
L21	178.12	N22" 11' 25.06"W	(2134562.59,742760.28)	(2134495.31,742925.21
L22	163.38	N16" 59" 27.03"W	(2134495.31,742925.21)	(2134447.57,743081.46
L23	215.28	N14" 35' 47.49"W	(2134447.57,743081.46)	(2134393.32,743289.79



NOTES:

- A SITE RECONNAISSANCE WAS PERFORMED BY PAUL SANFORD, PE AND JENNIFER ADMINISOR, BY OF ALLIED ENGINEERING SERVICES, INC. ON MAY 1, 25 OF ALLIED ENGINEERING SERVICES, INC. ON MAY 1, 25 OF ALLIED ENGINEERING SERVICES, INC. ON MAY 1, 2014.

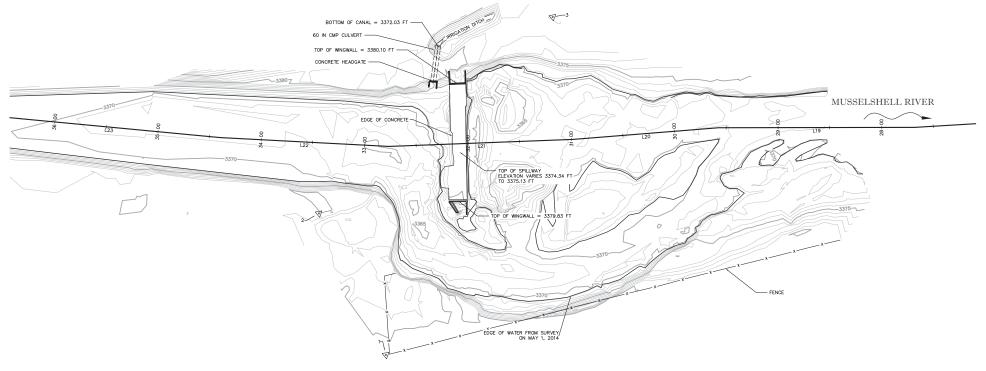
 BEARINGS SHOWN ARE MONTANA STATE PLANE GRID. DISTANCES ARE GRID DISTANCES IN INTERNATIONAL FEET.

HORIZONTAL DATUM: MONTANA STATE PLANE NAD 83 UNITS: INTERNATIONAL FEET

VERTICAL DATUM: NAVD 88, UNITS: U.S. SURVEY FEET

THE RIVER BYPASSED THE DAM DURING THE FLOODING OF 2011.

SOOUR AND DEPOSITION IN RIVER CHANNELS CAN CAUSE SIGNIFICANT CHANGES IN RIVERED OF THE STEW MAS SURVEYED ON MAY 1, 2014 BEFORE SPRING RUNDFF. CONTOURS AND BANK LOCATIONS SHOWN ON THIS SHEET MAY NOT MATCH EXISTING CONDITIONS AT TIME OF CONSTRUCTION.



NO.	REVISIONS	DRAWN BY	DATE	0 30	60 90	
					(4444)	
				SCALE (FEET)		
				PROJECT ENGINEER: PJS	DRAWN BY: JWJ	1
						-
				DESIGNED BY: JWJ	REVIEWED BY: PJS	丄

EGGE DIVERSION DAM REMOVAL SURVEY CONTROL AND EXISTING CONDITIONS GOLDEN VALLEY COUNTY, MT

32 DISCOVERY DRIVE BOZEMAN, MT 59718 PHONE (406) 582-0221 FAX (406) 582-5770 www.allledenglneering.com

Civil Engineering Geotechnical Engineering Land Surveying



PROJECT #: 14-043 SHEET DATE: 7/11/14 EXISTING CONDITIONS

EGGE DIVERSION

